

AUTO EXPOSING APPARATUS FOR USE IN IMAGE SENSOR

ABSTRACT OF THE DISCLOSURE

5 An auto exposing arrangement is capable of controlling exposure time. A number of first pixels are identified, each of which outputs image data having a luminance value higher than a predetermined level. A number of second pixels are identified, each of which outputs image data having a luminance value lower than the predetermined level. Exposure time is controlled based on those identified numbers of pixels. A first counter receives image data from an image sensor for counting the number of the first pixels for a unit frame. A second counter receives image data from the image sensor for counting the number of the second pixels for the unit frame. A look up table stores an optimum exposure time for each luminance level. A brightness analyzer determines whether the screen is to be controlled to brighter or darker in response to the numbers of the pixels identified by the first and second counters, respectively, and selects the luminance level of the screen to output as an address of the look up table. An exposure time corresponding to the address output from the brightness analyzer is output to the image sensor to control the exposure time of the pixels.

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